

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

In re application of

ANDREW Y. LI ET AL.

Group Art Unit 1616

Examiner S. Clardy

Organophosphate Insecticide )

Synergists for Fly and Tick )

Control )

Serial No. 10/600,360 )

Filed June 20, 2003 )

The Honorable

The Commissioner of Patents

Sir:

**Information Disclosure Statement**  
 (Submission Prior to Final Rejection  
 or Notice of Allowance)

Pursuant to 37 C.F.R. 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office (except U.S. patent applications) are listed on PTO/SB/08A, attached hereto.

II. COPIES (check at least one item)

- a. X Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, except that no copy of a U.S. patent application is included.

07/07/2005 BABRAH1 00000014 502132 10600360

01 FC:1202 100.00 DA

07/07/2005 BABRAH1 00000014 502132 10600360

02 FC:1806 180.00 DA

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an Envelope addressed to:  
 Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

June 29, 2005  
 (Date of Deposit)

Randall E. Deck  
 Name of Depositor

Signature

6/29/05  
 Date of Signature

FEES

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(b) : (check one item)

a.      Within three months of the filing date of a national application [37 C.F.R. 1.97(b)(1)]. No fee or certification is required.

b.      Within three months of the date of entry of the national stage as set forth in 1.491 in an international application [37 C.F.R. 1.97(b)(2)]. No fee or certification is required.

c.      Before the mailing date of a first Action on the merits [37 C.F.R. 1.97(b)(3)]. No fee or certification is required.

VI. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(c) :  
before the mailing date of a Final Office Action under 37 C.F.R. 1.113 [See 37 C.F.R. 1.97(c)(1)] or before the mailing date of a Notice of Allowance under 37 C.F.R. 1.311 [See 37 C.F.R. 1.97(c)(2)]. (check one item)

a.   X   No certification; therefore, a fee in the amount of \$ 180.00 is required by 37 C.F.R. 1.17(p); or

b.      See the certification below. No fee is required.

VII. Certification Under 37 C.F.R. 1.97(e)  
The undersigned hereby certifies that: (check only one item)

a.      each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS;  
or

- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

VIII. Payment of Fees (check one item)

- a. ☐ NO FEE IS REQUIRED.
- b. ☒ Please charge Deposit Account No. 50-2132 in the amount of \$ 180.00 for the above-indicated fee.

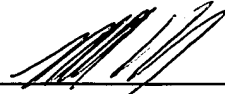
This Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; or (iii) the cited information constitutes prior art in the subject application.

If this IDS is determined to not fully comply with the rules, the Examiner is urged to contact the undersigned.

Serial No. 10/600,360 - Andrew Y. Li et al.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. 1.16 or 1.17 to Deposit Account 50-2132.

Respectfully submitted,



Peoria, IL

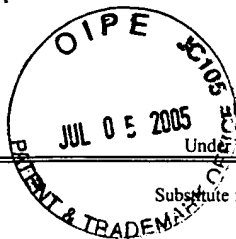
Randall E. Deck, Agent of Record  
Registration No. 34,078

(309) 681-6515

FAX: (309) 681-6688

Enclosures:

- ☒ PTO/SB/08A (1 pg.)
- ☐ PTO-892
- ☒ References (4)
- ☐ Foreign Search Report
- ☐ Fee
- ☐ Other:



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many as necessary)

**Complete if Known**

Application Number	10/600,360
Filing Date	June 20, 2003
First Named Inventor	Andrew Y. Li
Art Unit	1616
Examiner Name	S. Clardy
Attorney Docket No.	0210.02

**Certificate of Mailing**

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Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450  
Date: June 29, 2005

Sheet	1	of	2	RANDALL E. DECK		6/29/05
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup>	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>				

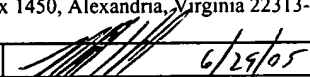
Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many as necessary)		<b>Complete if Known</b>	
		Application Number	10/600,360
		Filing Date	June 20, 2003
		First Named Inventor	Andrew Y. Li
		Art Unit	1616
		Examiner Name	S. Clardy
		Attorney Docket No.	0210.02
		<b>Certificate of Mailing</b>	
		I hereby certify that this paper or fee is being deposited with the United States Postal Service "First Class Mail" on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 Date: June 29, 2005	
Sheet	2	of	2
		RANDALL E. DECK	

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AR1	LICHTENSTEIN, E.P., et al., "Synergism of Insecticides by Herbicides", Science, Vol. 181, pgs. 847-849, 31 August 1973.	
	AS1	PAPE-LINDSTROM, Pamela A., et al., "Synergistic Toxicity of Atrazine and Organophosphate Insecticides Contravenes The Response Addition Mixture Model", Environ. Toxicol. Chem., 16, 1997, pgs. 2415-2420.	
	AT1	BELDEN, Jason B., et al., "Impact of Atrazine on Organophosphate Insecticide Toxicity", Environmental Toxicology and Chemistry, Vol. 19, No. 9, pgs. 2266-2274.	
	AU1	BELDEN, J.B., et al., "Effects of atrazine on acetylcholinesterase Activity in Midges (Chironomus tentans) exposed to organophosphorus insecticides", Chemosphere, 44, 2001, pgs. 1685-1689.	

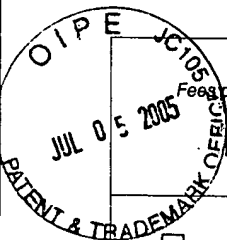
Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

### Complete if Known

Application Number	10/600,360
Filing Date	June 20, 2003
First Named Inventor	Andrew Y. Li
Examiner Name	S. Clardy
Art Unit	1616
Attorney Docket No.	0210.02

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 280.00

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 50-2132 Deposit Account Name: USDA-ARS-OTT

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) Under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
22	- 20 or HP = 2	x 50.00 = 100.00
HP = highest number of total claims paid for, if greater than 20		
Indep. Claims	Extra Claims	Fee (\$)
- 3 or HP =	x	=
HP = highest number of independent claims paid for, if greater than 3		

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity)

for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	- 100 = _____	/ 50 = _____ (round up to a whole number) x _____ =		

#### 4. OTHER FEE(S)

Fees Paid (\$)	
Non-English Specification, \$130 fee (no small entity discount)	
Other: Information Disclosure Statement	180.00

#### SUBMITTED BY

Signature		Registration No. 34,078 (Attorney/Agent)	Telephone: (309) 681-6515
Name (Print/Type)	Randall E. Deck	Date	6/29/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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